

Ebitu, Urpono  
18/ENG604/027

Electrical Electronics Engineering

ENG 232

Calculation

least radius of cam = 30mm

$$r = 30\text{mm}$$

$$\begin{aligned} \therefore 2\pi r &= 2 \times \frac{22}{7} \times 30 \\ &= 188.50\text{mm} \end{aligned}$$

∴ (1) for  $0^\circ - 90^\circ$

$$\Rightarrow \frac{90}{360} \times 188.50$$

$$= 47.12\text{mm}$$

(2) for  $90 - 150$

$$\Rightarrow \frac{60}{360} \times 188.50\text{mm}$$

$$= 31.42\text{mm}$$

(3) for  $150 - 210^\circ$

$$\Rightarrow \frac{60}{360} \times 188.50\text{mm}$$

$$= 31.42\text{mm}$$

(4) for  $210^\circ - 270^\circ$

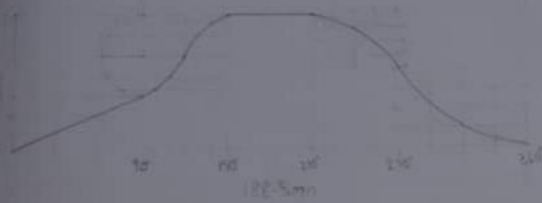
$$\Rightarrow \frac{60}{360} \times 188.5\text{mm}$$

$$= 31.42\text{mm}$$

(5) for  $270 - 360^\circ$

$$\Rightarrow \frac{90}{360} \times 188.50\text{mm}$$

$$= 47.12\text{mm}$$



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MAT NO	18/EN004/027
TITLE	CAM
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